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THE LATEST SCOOP

1983 EDITION

◆ ◆ ◆ WORLDWIDE ◆ ◆ ◆

FACTS AND FIGURES ON ICE CREAM AND RELATED PRODUCTS

PUBLISHED BY THE INTERNATIONAL ASSOCIATION OF ICE CREAM MANUFACTURERS

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"Ice Cream for America," pictured above, is the servicemarked logo developed for use in promotional activities this summer. The logo can be found on ice cream packages, point-of sale-materials, tie-ins, and newspaper ads, to name a few. The promotional campaign of "Ice Cream for America" will run the entire month of July, with its objective being to enhance consumer awareness of ice cream. Use of the servicemarked logo is available only through the execution of a licensing agreement with IAICM.

In addition to the July program, IAICM will be offering tie-in promotions throughout the year with product affiliated companies (i.e. cookies, cokes, etc.) to interested ice cream manufacturers under the "Ice Cream for America" theme.

To kick off this year's "Ice Cream for America" promotion, a gala ice cream party was held on Capitol Hill on June 23. Seven thousand enthusiastic Senators, Congressmen, government officials and staffers gathered to consume and enjoy 2,000 gallons of the nation's best ice cream - 5,000 novelty items - 300 pounds of candy and nuts - and 70 gallons of toppings.

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THE LATEST SCOOP

1983 EDITION

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FOREWORD

The market for ice cream is growing. It is now equally consumed as a dessert at mealtime and as a snack food, enjoyed by all segments of society.

"The Latest Scoop" reports the latest trends taking place in the industry and contains information on production and consumption in the United States, Canada and 54 other countries.

We hope you will find this annual publication of the industry interesting and useful.

- Other Publications Available from IAICM -

Frozen Dessert Facts

Marketing Information on Ice Cream and Related Products

The Foodservice Market for Dairy Products

Let's Sell - Let's Serve Ice Cream

History of Ice Cream

History of the Ice Cream Cone

Yogurt Marketing Profile

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How It All Started

Ice cream probably evolved from chilled wines and other iced beverages. In the fourth century before Christ, Alexander the Great was reputed to be fond of iced beverages.

And, from ancient records, it is learned that in 62 A.D., the Roman Emperor, Nero, sent fleets of slaves to the mountains of the Apennines to fetch snow and ice which were then flavored with nectar, fruit pulp and honey.

Marco Polo, the 13th century bard and adventurer, brought with him to Europe from the Far East, recipes for water ices...said to be used in Asia for thousands of years. These water ices became popular in Venice and throughout Italy.

When Catherine de Medici married Henry II and became Queen of France in 1533, she brought with her recipes for Italian sherbet. It is said that her son, Henry III, was addicted to these delicacies and consumed them daily.

In 1660 the Cafe Procope was founded in Paris by an Italian named Coltelli, and water ices and possibly cream ices were manufactured and dispensed.

This delicacy found its way to America and in 1700 Governor Bladen of Maryland was serving ice cream to his guests.

Dolley Madison created a sensation when she served ice cream as a dessert in the White House at the second inaugural ball in 1812.

The first hand-cranked freezer was invented by Nancy Johnson in 1846. She failed to patent it, however, and a similar type was patented by a Mr. Young in 1848.

The first commercial ice cream plant was established in Baltimore in 1851 by Jacob Fussell.

A year before the turn of the century, August Gauiin of Paris invented the homogenizer which is used to help develop the smooth texture of ice cream.

With the coming of mechanical refrigeration, the first batch freezer was invented by H. H. Miller of Canton, Ohio. About 1926, the first continuous freezer was commercially perfected by Clarence Vogt of Louisville, Kentucky.

The ice cream cone was first made and sold at the St. Louis World's Fair in 1904. It has remained a favorite to this date, with billions of cones consumed each year. Other products, such as ice cream on sticks, ice cream bars and other forms of ice cream; ice milk and sherbet, known in the industry as "novelties" had their beginning in the 1920s.

How Ice Cream Is Made

The basic mix for the manufacture of ice cream is largely cream and other milk ingredients, plus sweeteners.

The ingredients of the mix are carefully blended in proper proportions in a mixing tank. The mix may contain small amounts of functional ingredients, such as stabilizer, which prevents the formation of ice crystals in the ice cream after it is frozen.

The mix goes to a pasteurizer where it is heated and held at a predetermined temperature for a specified period of time. The most common type of pasteurization is the high-temperature-short-time method in which the mix is heated to 175 degrees F. and held for 25 seconds.

The hot mix then goes to the homogenizer where, under pressure of from 2,000 to 2,500 pounds per square inch, the milkfat globules are broken into still smaller particles to help make the ice cream smooth.

After homogenization, the hot mix is quickly cooled to a temperature of about 40 degrees F.

Next, freezing of the mix is accomplished by one of two methods: a "continuous freezer" which uses a steady flow of mix; or a "batch freezer" which makes a single quantity of ice cream at a time.

While the ice cream is being frozen, blades in the freezer, or "dashers" as they are commonly called, whip and aerate the products. Without this aeration, the finished product would be an inedible, solidly frozen mass of cream, milk, sugar and flavoring. In all states, this aeration, called "overrun," is controlled by requiring the finished ice cream shall weigh not less than 4.5 pounds per gallon and contain at least 1.6 pounds of total food solids.

With the use of the continuous freezer, ingredients such as fruits and nuts are added after the freezing by a mechanical flavor feeder. Liquid flavors are added to the mix prior to freezing.

The filling operation includes many activities such as filling large containers, half gallon, quart and pint packages, paper cups or molds for ice cream on a stick.

After the freezer and filling, ice cream goes to the "hardening room" where sub-zero temperatures further harden the ice cream. From the hardening room, it is loaded into refrigerated trucks for delivery to distributors or retailers.

REVIEW

United States

- 1982 was a good year for the ice cream industry...and 1983 is going to be even better!
- The industry produces a variety of products to satisfy any tastebud, age and income group. Substantial increases in production were recorded for ice cream, ice milk and sherbet for the first five months of 1983.
    - Ice cream consumption, on the rise for the fourth consecutive year, climbed 4% for the five month period, after a gain of 2% in 1982.
    - Ice milk, now on the upswing, reported a healthy 5% increase in 1983, overturning the slow decline which began in 1979.
    - Sherbet rose 2% for the reported period in 1983. The market for this product has remained constant for the past several years.
- Water ices, not reported in 1983, experienced a gain of 2% in 1982.
- A total of 1.25 billion gallons of ice cream and related products was produced in 1982...a 1% increase...and 21.56 quarts per capita. Ice cream per capita was 14.71 quarts.
- The estimated wholesale value of ice cream, ice milk, sherbet and water ices was $3.5 billion in 1982...up 2% from 1981.
- Raw material costs represent 54% of the ice cream manufacturer's dollar.
- The industry employs 20,000 people and has an annual payroll of $325.6 million.
- California continues to lead the nation in the volume of ice cream produced, 95.5 million gallons, and ice cream and related products, 136 million gallons.
- The New England area claimed the highest per capita consumption of ice cream, 21.7 quarts, while the West North Central region reported the highest per capita of ice cream and related products, 30.9 quarts.
- Only 3% of ice cream produced is soft serve, while 75% of ice milk is in this form.
- Ice milk per capita is highest in the West North Central region with 7.56 quarts, compared with 4.8 quarts nationally.
- Ice cream continues to dominate the market, representing 60% of total production, followed by ice milk, 23%; sherbet, 4%; water ices, 3%; with the remainder made up of other frozen dairy products and mellorine.

Preliminary

1983 PRODUCTION

(Thousand Gallons)

Month	Ice Cream 1983	Ice Cream % Change from 1982	Ice Milk 1983	Ice Milk % Change from 1982	Sherbet 1983	Sherbet % Change from 1982
January	55,298	+ 8.81	16,406	+11.78	2,819	+ 8.13
February	60,423	+ 2.63	18,155	+ 5.08	2,766	+ 3.17
March	78,623	+ 4.74	24,898	+ 5.09	3,789	- 1.02
April	70,646	- 4.26 1/	24,983	- 0.36 1/	3,882	- 3.36 1/
May	81,049	+ 7.84 1/	29,858	+ 7.45 1/	4,684	+ 4.67 1/
5-Month Total	346,039	+ 3.69	114,300	+ 5.34	17,940	+ 1.89

1/ 1982 monthly data prorated by IAICM based on U.S.D.A. quarterly figures.

PRODUCTION CHANGES - 1982

	1982	% Change from 1981
Total -- Ice Cream & Related Products 1/	1,247,927,000 gals.	+ 0.7
Per Capita Production	21.56 qts.	- 0.2
Ice Cream (Hard and Soft)	851,716,000 gals.	+ 2.3
Per Capita Production	14.71 qts.	+ 1.3
Ice Milk (Hard and Soft)	280,367,000 gals.	- 3.7
Per Capita Production	4.84 qts.	- 4.7
Sherbet (Hard and Soft)	45,575,000 gals.	- 0.3
Per Capita Production	0.79 qts.	- 1.3
Water Ices (Hard) 2/	35,158,000 gals.	+ 2.4
Per Capita Production	0.61 qts.	+ 1.7
Mellorine (Hard and Soft)	10,053,000 gals.	-10.2
Per Capita Production	0.17 qts.	-10.5

1/ Includes a small amount of other frozen dairy products.
2/ Excludes production of water ices by counter freezers.

- INTERNATIONAL REVIEW -

Again, the United States leads the world in the total volume and per capita production of ice cream and related products. Per capita production of ice cream was 29.43 pints and ice cream and related products, 43.12 pints.

Australia is the second largest user of ice cream and related products with a per capita production of 36.73 pints and a per capita production of ice cream of 28.31 pints.

Canada is in third place with a reported per capita production of 31.85 pints of ice cream and related products and 26.77 pints of ice cream.

New Zealand, reporting only ice cream, is the fourth highest consumer with a per capita production of 23.44 pints.

Sweden ranks fifth with a per capita production of 26.65 pints of all products and 23.44 pints of ice cream.

DEFINITIONS

- Selected Frozen Desserts -

ICE CREAM is a frozen food made from a mixture of dairy products, such as milk, cream and nonfat milk, combined with sugars, flavorings, fruits, nuts, etc. Ice cream which contains at least 1.4% egg yolks is called french ice cream or frozen custard. Ice cream and french ice cream contain a minimum of 10% milkfat and weigh not less than 4.5 pounds per gallon.

ICE MILK is a frozen dessert which is similar to ice cream except that it contains between 2% to 7% milkfat.

SHERBET, both fruit sherbet and those flavored with flavors other than fruit, contains between 1% to 2% milkfat and weighs not less than 6 pounds per gallon.

WATER ICES, both fruit ices and those flavored with flavors other than fruit, contain no dairy ingredients and weigh not less than 6 pounds per gallon.

MELLORINE is a frozen dessert similar to ice milk in which the milkfat is replaced, in whole or in part, with vegetable fat and the minimum fat content is 6%.

NUTRITION HIGHLIGHTS 1/

	Calories	Protein g.	Carbohydrate g.	Fat g.	Vitamin A I.U.	Calcium mg.	Phosphorus mg.	Riboflavin mg.
Vanilla Ice Cream (10% fat)	130	2.3	15.3	6.9	261	84	64	.158
% U.S. RDA 2/		*5.1%*			*5.2%*	*8.4%*	*6.4%*	*9.3%*
Vanilla Ice Cream (16% fat)	151	1.8	13.8	10.2	388	65	50	..122
% U.S. RDA 2/		*3.9%*			*7.8%*	*6.5%*	*5.0%*	*7.2%*
Vanilla Ice Milk (4% fat)	90	2.5	14.2	2.8	104	85	63	.169
% U.S. RDA 2/		*5.6%*			*2.1%*	*8.5%*	*6.3%*	*9.9%*
Orange Sherbet (2% fat)	90	.72	19.5	1.3	61	34	24	.029
% U.S. RDA 2/		*1.5%*			*1.2%*	*3.4%*	*2.4%*	*1.7%*

1/ Values presented per 1/2 cup (approximately 4 fluid ounces). Source: Calculated from USDA Agricultural Handbook 8-I (November 1976) data.

2/ United States Recommended Daily Allowance.

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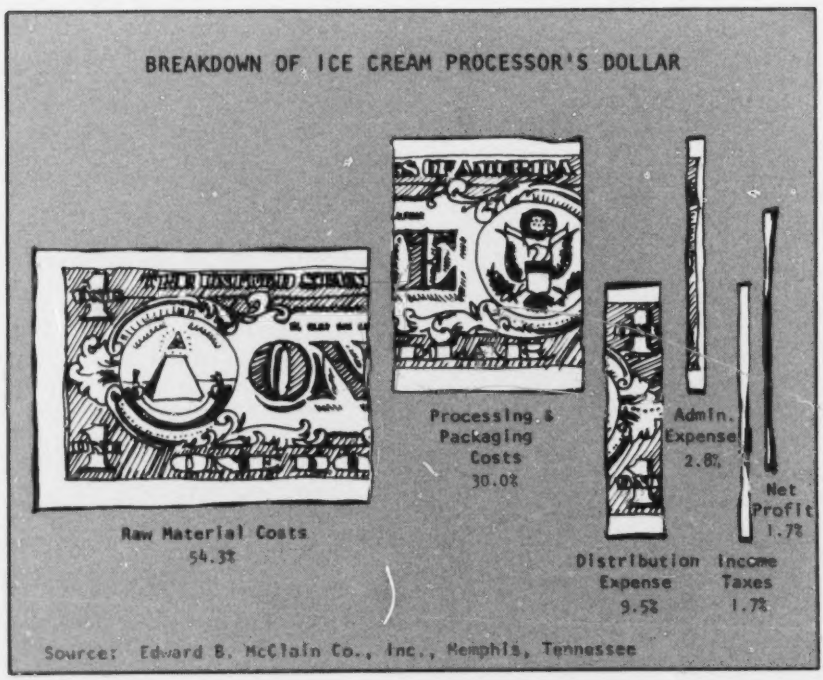
THE "REAL" PRICE OF ICE CREAM
1972-1982

Year	Average Wages Production Workers	Average Retail Price of Ice Cream	Labor Required to Purchase Half Gallon of Ice Cream
	$ per Hour	¢ per ½ Gallon	Minutes
1972	3.82	85.8	13.5
1973	4.09	91.0	13.3
1974	4.42	107.6	14.6
1975	4.83	122.3	15.2
1976	5.22	127.1	14.6
1977	5.68	135.2	14.3
1978	6.17	146.2	14.2
1979	6.69	163.3	14.6
1980	7.27	182.3	15.0
1981	7.99	201.6	15.1
1982 1/	8.50	210.2	14.8
% Change 1972-1982	+123%	+145%	+10%



PRODUCTION OF ICE CREAM AND RELATED PRODUCTS (HARD AND SOFT)
BY STATES AND REGIONS - 1982

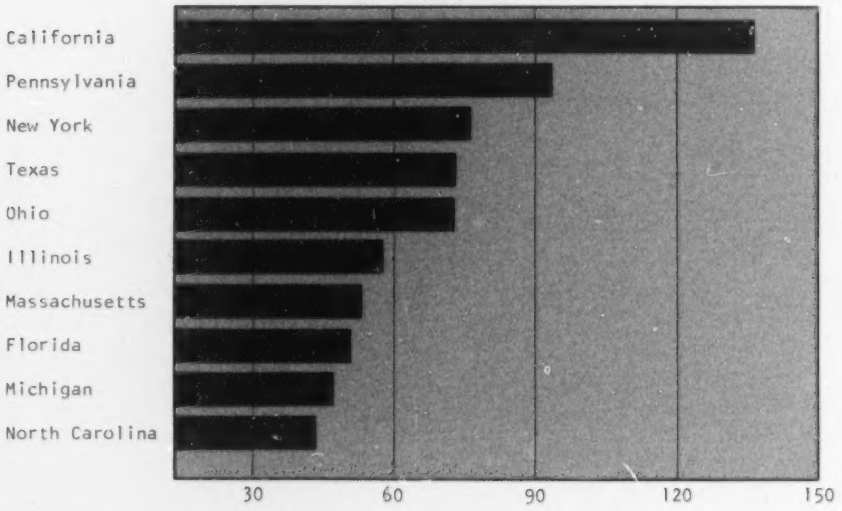
STATE & REGION	ICE CREAM	ICE 1/ MILK	SHERBET	WATER ICES	MELLORINE TYPE PRODUCTS	OTHER FROZEN DAIRY PRODUCTS	TOTAL FROZEN PRODUCTS
			(Thousand Gallons)				
NEW ENGLAND							
Maine	2/	2/	2/				2/
New Hampshire	826	406	2/				1,232
Vermont	375	2/	2/				375
Massachusetts	44,444	6,574	2,198	2/		283	53,499
Rhode Island	2/	2/	2/	2/			2/
Connecticut	2/	2/	2/	2/			2/
MID ATLANTIC							
New York	62,326	8,396	2,678	2,526	2/	2/	75,926
New Jersey	20,192	4,649	407	142		2/	25,390
Pennsylvania	72,969	13,695	3,627	1,742		1,855	93,888
E. N. CENTRAL							
Ohio	46,669	20,866	2,959	2,626		2/	73,120
Indiana	23,937	7,237	1,423	2,147		767	35,511
Illinois	35,206	18,222	2,006	698	812	476	57,420
Michigan	33,475	10,771	1,727	2/	2/	517	46,490
Wisconsin	20,828	6,076	723	2,186		2/	29,813
W. N. CENTRAL							
Minnesota	35,137	6,065	1,567		31	2/	42,800
Iowa	15,562	6,350	1,351	2/	894	2/	24,157
Missouri	18,217	9,769	1,089	2/	495	2/	29,570
North Dakota	2,225	900	181	2/			2,406
South Dakota	2/	596					596
Nebraska	9,402	3,840	406	2/		2/	14,548
Kansas	7,804	5,258	534	2/		2/	13,596
SOUTH ATLANTIC							
Delaware	2/	2/					2/
Maryland & D. C.	13,405	2,394	1,169	1,565		2/	18,533
Virginia	8,800	2,891	439	268	2/	2/	12,398
West Virginia	2,692	2,191	166	2/		2/	5,049
North Carolina	30,349	9,965	1,314	1,522		2/	43,150
South Carolina	8,653	4,196	1,053	2/			13,902
Georgia	7,598	7,959	442	2/	2/	2/	15,999
Florida	33,577	14,511	1,754	1,046	2/	2/	50,888
SOUTH CENTRAL							
Kentucky	2/	3,497	2/	2/	2/	2/	3,497
Tennessee	19,053	4,912	899	578	31	239	25,652
Alabama	14,095	6,405	794	1,138		2/	22,432
Mississippi	4,649	2,837	305	337			8,128
Arkansas	5,941	3,265	280		399		9,885
Louisiana	7,993	4,429	442	2/	2/	2/	12,864
Oklahoma	9,619	4,265	550	203	196	188	15,021
Texas	50,138	13,108	3,007	1,946	5,120	2/	73,319
MOUNTAIN							
Montana	1,833	1,057	82	2/	2/	2/	2,972
Idaho	3,840	1,184	199	2/			5,223
Wyoming	2/	2/	2/				2/
Colorado	9,996	5,575	497	497		95	16,660
New Mexico	3,580	2/	2/	2/	2/		3,580
Arizona	6,196	2/	379	2/	2/		6,575
Utah	8,428	2,194	546	302			11,470
Nevada	2/	2/	2/		2/		2/
PACIFIC							
Washington	15,518	8,458	1,295	2/		2/	25,271
Oregon	9,050	4,480	462	2/	2/	2/	13,992
California	95,523	27,743	4,747	3,481	1,146	3,210	135,850
Other States 3/	31,596	13,181	1,878	10,268	929	17,428	75,280
UNITED STATES	851,716	280,367	45,575	35,158	10,053	25,058	1,247,927

1/ Includes freezer-made milkshake.
2/ State data not shown when less than 3 plants reported or individual operations might be disclosed - included in "Other States" with Alaska and Hawaii.
3/ Includes varying states for each product.

Prepared by International Assn. of Ice Cream Mfrs. from data published by U.S. Department of Agriculture.

TOTAL PRODUCTION OF FROZEN DESSERTS (HARD AND SOFT)
TEN LEADING STATES, 1982

(Thousand Gallons)



PRODUCTION OF ICE CREAM AND RELATED PRODUCTS (HARD AND SOFT)
TEN LEADING STATES, 1982

State	Ice Cream	Ice Milk	Sherbet	Water Ices	Mellorine Type Products	Total 1/
			(Thousand Gallons)			
California	95,523	27,743	4,747	3,481	1,146 2/	135,850
Pennsylvania	72,969	13,695	3,627	1,742		93,888
New York	62,326	8,396	2,678	2,526		75,926
Texas	50,138	13,108	3,007	1,946	5,120	73,319
Ohio	46,669	20,866	2,959	2,626		73,120
Illinois	35,206	18,222	2,006	698	812	57,420
Massachusetts	44,444	6,574	2,198			53,499
Florida	33,577	14,511	1,754	1,046		50,888
Michigan	33,475	10,771	1,727			46,490
North Carolina	30,349	9,965	1,314	1,522		43,150
TOTAL--10 STATES	504,676	143,851	26,017	15,587	7,078	703,550
PERCENT OF U. S. TOTAL	59.3%	51.3%	57.1%	44.3%	70.4%	56.4%

1/ Includes small amounts of other frozen products in addition to those shown separately.
2/ Designated as "Imitation Ice Cream" or "Imitation Ice Milk" in California.

Prepared by International Association of Ice Cream Manufacturers from data published by U. S. Department of Agriculture.

EMPLOYEES, WAGES AND VALUE OF SHIPMENTS
FROZEN DESSERTS INDUSTRY, 1947-1981

Year	All Employees 1/		Production Workers 1/		Wages 1/	Value of Product Shipments 2/
	Number	Payroll	Number	Manhours		
	Thousands	Million Dollars	Thousands	Millions	Million Dollars	Million Dollars
1947	46.7	119.3	29.3	52.8	66.1	802.0
1954	36.5	134.2	21.0	42.4	64.2	954.3
1958	34.8	153.9	18.7	37.7	72.4	1,137.7
1963	29.6	162.8	15.6	32.5	76.6	1,210.0
1967	24.6	156.4	13.8	27.2	77.2	1,273.6
1968	23.7	158.2	13.2	26.6	79.8	1,330.0
1969	22.7	159.2	12.6	25.4	80.6	1,334.8
1970	24.1	166.8	13.9	26.1	85.9	1,343.2
1971	22.6	173.5	12.8	25.1	87.7	1,389.0
1972	21.1	184.7	12.0	23.5	94.7	1,519.4
1973	21.3	195.9	12.1	24.1	100.0	1,639.5
1974	21.3	196.5	11.8	22.9	108.0	1,787.9
1975	20.2	208.5	11.1	22.0	116.4	2,012.9
1976	20.3	223.6	11.3	22.3	125.3	2,063.3
1977	19.1	247.0	11.4	22.7	130.1	2,229.4
1978	18.5	252.5	11.3	21.9	136.6	2,397.2
1979	19.9	277.4	12.3	24.3	151.9	2,733.2
1980	19.6	288.6	12.3	23.7	163.0	3,041.5
1981	20.1	325.6	12.0	23.0	167.1	3,322.1

1/ Data for plants with ice cream and other frozen desserts as the leading product group in value of shipments.

2/ Includes value of shipments of ice cream and other frozen desserts by plants classified in other industries, such as fluid milk.

SOURCE: Bureau of the Census, U. S. Department of Commerce.

CAPITAL EXPENDITURES FOR NEW PLANTS AND EQUIPMENT
FROZEN DESSERTS INDUSTRY, 1947-1981

Year	Total	For Plants	Share of Total	For Equipment	Share of Total
	Million Dollars	Million Dollars	Percent	Million Dollars	Percent
1947	36.0	5.4	15.0	30.6	85.0
1954	25.7	4.2	16.3	21.5	83.7
1958	26.1	5.1	19.5	21.0	80.5
1963	31.9	8.1	25.4	23.8	74.6
1967	26.6	5.7	21.4	20.9	78.6
1968	22.1	2.8	12.7	19.3	87.3
1969	30.3	5.6	18.5	24.7	81.5
1970	43.7	15.8	36.2	27.9	63.8
1971	28.0	5.7	20.4	22.3	79.6
1972	35.8	7.5	20.9	29.3	79.1
1973	29.2	9.7	33.2	19.5	66.8
1974	27.8	6.2	22.3	21.6	77.7
1975	37.2	10.1	27.2	27.0	72.6
1976	43.2	11.9	27.5	31.3	72.5
1977	58.1	19.4	33.4	38.7	66.6
1978	56.4	12.6	22.3	43.8	77.7
1979	46.3	12.8	27.6	33.5	72.4
1980	46.8	11.1	23.7	35.7	76.3
1981	41.8	6.1	14.6	35.7	85.4

SOURCE: Bureau of the Census, U. S. Department of Commerce.

TOTAL AND PER CAPITA PRODUCTION (HARD AND SOFT)
ICE CREAM AND RELATED PRODUCTS
1859-1982

YEAR	ALL PRODUCTS REPORTED		ICE CREAM		ICE MILK 2/		SHERBET		WATER ICES		OTHER FROZEN 3/ DAIRY PRODUCTS		MELLORINE TYPE PRODUCTS	
	Total 1/ 1,000 Gallons	Per Capita Quarts	Total 1,000 Gallons	Per Capita Quarts	Total 1,000 Gallons	Per Capita Quarts	Total 1,000 Gallons	Per Capita Quarts	Total 1,000 Gallons	Per Capita Quarts	Total 1,000 Gallons	Per Capita Quarts	Total 1,000 Gallons	Per Capita Quarts
1859	4		4											
1869	24		24											
1879	144	0.01	144	0.01										
1889	851	0.06	851	0.06										
1899	5,021	0.27	5,021	0.27										
1909	29,637	1.31	29,637	1.31										
1919	152,982	5.86	152,982	5.86										
1920	171,248	6.43	171,248	6.43										
1930	255,439	8.30	255,439	8.30										
1940	339,544	10.29	318,088	9.64	10,457	0.32	8,089	0.24			2,910	0.09		
1950	634,768	16.79	554,351	14.66	36,870	0.98	17,018	0.45	18,299	0.48	8,230	0.22		
1955	819,934	19.96	628,525	15.30	90,185	2.20	37,365	0.91	28,158	0.69	3,440	0.08	32,261	0.78
1960	969,004	21.54	699,605	15.55	145,177	3.23	40,734	0.91	33,361	0.74	4,913	0.11	45,214	1.00
1965	1,130,215	23.36	757,000	15.65	230,992	4.77	45,449	0.94	37,119	0.77	6,486	0.13	53,169	1.10
1970	1,193,144	23.42	761,732	14.95	286,663	5.63	48,887	0.96	37,265	0.73	6,719	0.13	51,878	1.02
1975	1,263,213	23.45	836,552	15.53	298,789	5.55	48,542	0.90	38,230	0.71	11,062	0.20	30,038	0.56
1978	1,236,522	22.27	815,360	14.68	310,063	5.58	48,034	0.87	33,965	0.62	12,836	0.23	16,264	0.29
1979	1,212,645	21.60	811,079	14.45	296,653	5.29	45,124	0.80	32,081	0.57	12,034	0.21	15,674	0.28
1980	1,225,223	21.58	829,798	14.61	293,384	5.17	45,187	0.80	33,386	0.59	10,278	0.18	13,190	0.23
1981	1,238,712	21.61	832,450	14.52	290,992	5.08	45,732	0.80	34,344	0.60	24,003	0.42	11,191	0.19
1982	1,247,927	21.56	851,716	14.71	280,367	4.84	45,575	0.79	35,158	0.61	25,058	0.44	10,053	0.17

1/ Data from 1859 to 1919 indicate only the estimated trend of production.

2/ Includes freezer-made milkshake beginning 1954.

3/ For 1940-1953 includes frozen custard and frosted or frozen malted milk.

Prepared by the International Association of Ice Cream Manufacturers from data published by the U. S. Department of Agriculture.

MONTHLY PRODUCTION OF ICE CREAM AND RELATED PRODUCTS (HARD AND SOFT)
1980-1982

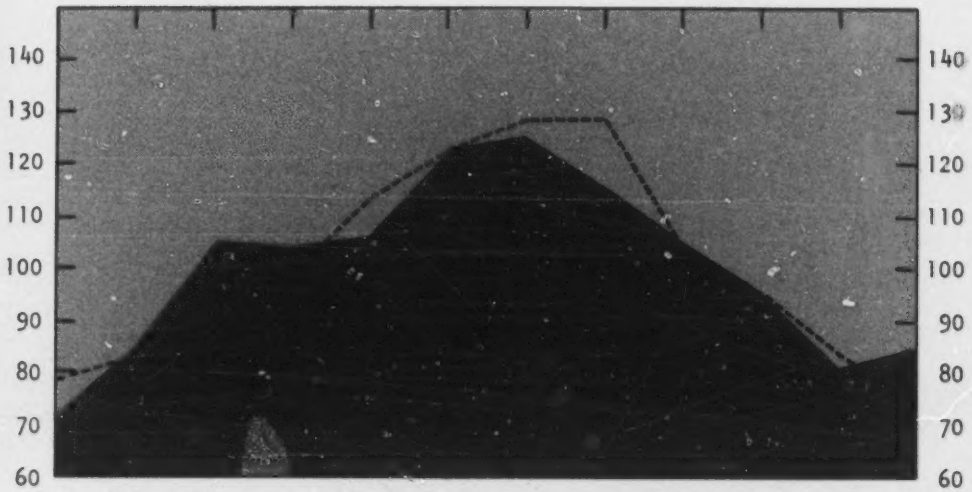
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
						(Thousand Gallons)							
						ALL FROZEN PRODUCTS 1/							
1980	81,619	86,030	99,231	104,348	111,986	124,112	134,442	126,500	108,396	94,847	74,390	79,322	1,225,223
1981	74,780	84,743	104,358	107,330	110,600	132,370	137,667	123,659	108,343	92,722	80,399	81,741	1,238,712
1982 2/	71,647	83,156	108,835	109,811	115,382	132,911	135,456	124,544	107,863	96,160	79,444	82,718	1,247,927
						ICE CREAM							
1980	58,244	60,958	68,379	69,681	71,888	79,705	86,878	83,299	73,973	66,233	53,199	57,361	829,798
1981	51,757	58,817	70,814	69,868	70,266	85,176	89,249	81,342	74,431	64,750	56,936	59,044	832,450
1982 2/	50,822	58,877	75,068	73,788	75,158	87,176	88,548	82,791	74,625	67,734	56,938	60,191	851,716
						ICE MILK 3/							
1980	17,572	18,717	23,009	25,504	29,244	31,629	34,047	31,416	26,151	22,303	16,821	16,971	293,384
1981	16,492	18,382	23,917	26,430	28,315	33,082	33,638	30,223	24,986	21,182	17,756	16,589	290,992
1982 2/	14,677	17,277	23,693	25,073	27,789	31,246	32,398	29,496	24,478	21,132	16,804	16,304	280,367
						SHERBET							
1980	3,021	2,890	3,477	3,715	4,268	5,003	5,563	5,033	3,910	3,000	2,372	2,935	45,187
1981	2,651	2,866	3,584	4,036	4,366	5,351	5,631	4,805	3,836	3,050	2,543	3,013	45,732
1982 2/	2,607	2,681	3,828	4,017	4,475	5,366	5,406	4,750	3,742	3,113	2,529	3,061	45,575
						WATER ICES							
1980	1,466	1,892	2,532	3,191	4,075	4,942	5,057	4,147	2,374	1,711	994	1,005	33,386
1981	1,644	2,156	3,104	3,582	3,965	5,047	5,377	3,893	2,281	1,325	973	997	34,344
1982 2/	1,485	1,970	2,923	3,565	4,232	5,256	5,410	4,169	2,414	1,618	1,049	1,067	35,158
						MELLORINE TYPE PRODUCTS							
1980	813	989	1,023	1,235	1,353	1,490	1,462	1,313	1,194	1,030	617	671	13,190
1981	745	789	963	1,115	1,071	1,285	1,210	1,034	940	856	628	555	11,191
1982 2/	574	660	889	943	972	1,113	1,079	948	862	871	575	567	10,053

1/ Includes small amounts of other frozen products in addition to those shown separately.
2/ April through December 1983 prorated by IAICM based on U.S.D.A. quarterly data.
3/ Includes freezer-made milkshake.

Prepared by the International Association of Ice Cream Manufacturers from data published by U. S. Department of Agriculture.

SEASONALITY OF PRODUCTION OF ICE CREAM
AND RELATED PRODUCTS - 1982

(Monthly production as a percent of annual average)



----- Indicates 1962 Production

MONTHLY PRODUCTION OF ICE CREAM AND RELATED PRODUCTS
AS A PERCENT OF ANNUAL AVERAGE, 1962-1982

Month	1962	1982
January	77.8	71.6
February	82.4	83.0
March	95.0	105.8
April	99.1	104.0
May	113.0	105.9
June	121.7	122.8
July	128.6	124.8
August	128.6	116.6
September	103.4	105.1
October	95.4	95.4
November	82.1	80.2
December	74.7	84.8

PRODUCTION OF MIX FOR FROZEN PRODUCTS (HARD AND SOFT)
BY STATES AND REGIONS - 1982

STATE AND REGION	ICE CREAM MIX	ICE MILK 1/ MIX	SHERBET MIX	MELLORINE TYPE MIX	TOTAL MIX FOR FROZEN PRODUCTS
		(Thousand Gallons)			
NEW ENGLAND					
Maine	2/	94	2/		94
New Hampshire	564	2/	2/		564
Vermont	2/	2/	2/		2/
Massachusetts	21,481	4,369	5,834		31,684
Rhode Island	2/	2/	2/		2/
Connecticut	2/	2/	2/		2/
MID ATLANTIC					
New York	34,009	6,878	1,758		42,645
New Jersey	13,401	2,897	268		16,566
Pennsylvania	38,157	7,259	2,402		47,818
E. N. CENTRAL					
Ohio	22,999	14,032	2,013		39,044
Indiana	10,966	3,955	924		15,845
Illinois	18,601	13,279	1,284	773	33,937
Michigan	17,354	6,914	1,223		25,491
Wisconsin	10,530	2,831	476		13,837
W. N. CENTRAL					
Minnesota	2/	2/	2/		2/
Iowa	7,666	3,663	1,094	1,158	13,581
Missouri	8,387	1,629	696	41	10,753
North Dakota	1,098	400	114		1,612
South Dakota	2/	2/	2/		2/
Nebraska	4,769	2,423	252		7,444
Kansas	3,937	4,168	342		8,447
SOUTH ATLANTIC					
Delaware	2/	2/	2/		2/
Maryland & D. C.	6,963	2,288	843		10,094
Virginia	5,060	7,070	279		12,409
West Virginia	1,171	676	74		1,921
North Carolina	15,539	6,708	760		23,007
South Carolina	4,647	1,795	655		7,097
Georgia	3,722	5,498	307		9,527
Florida	17,115	8,878	1,116		27,109
SOUTH CENTRAL					
Kentucky	2/	2,212	2/		2,212
Tennessee	9,577	2,293	587		12,457
Alabama	6,879	3,730	503		11,112
Mississippi	2,361	1,805	195		4,361
Arkansas	3,058	2,345	150	201	5,754
Louisiana	3,919	2,505	278		6,702
Oklahoma	4,840	2,442	340	107	7,729
Texas	25,235	8,340	1,778	2,641	37,994
MOUNTAIN					
Montana	926	706	48		1,680
Idaho	1,664	618	129		2,411
Wyoming	2/	2/	2/		2/
Colorado	5,033	3,631	329		8,993
New Mexico	1,825	2/	2/		1,825
Arizona	2,965	2/	243		3,208
Utah	4,331	1,674	355		6,360
Nevada	2/	2/	2/		2/
PACIFIC					
Washington	8,042	5,441	807		14,290
Oregon	4,413	2,849	289		7,551
California	48,736	17,046	3,235	783	69,800
Other States 3/	32,390	12,405	2,030	322	47,147
UNITED STATES	434,330	177,746	34,010	6,026	652,112

1/ Includes milkshake mix.
2/ State data not shown when less than 3 plants or individual operations might be disclosed - included in "Other States" with Alaska and Hawaii.
3/ Includes varying states for each product.

Prepared by International Assn. of Ice Cream Mfrs. from data published by U. S. Department of Agriculture.

PRODUCTION OF ICE CREAM AND RELATED PRODUCTS (HARD AND SOFT)
BY REGIONS - 1982

REGION	ICE CREAM	ICE 1/ MILK	SHERBET	WATER ICES	MELLORINE TYPE PRODUCTS	OTHER FROZEN DAIRY PRODUCTS	TOTAL FROZEN PRODUCTS
			(Thousand Gallons)				
New England	67,823	11,827	3,324	1,418		798	85,190
Mid Atlantic	155,487	26,740	6,712	4,410		3,712	197,061
E. N. Central	160,115	63,172	8,838	7,832	862	11,685	252,504
W. N. Central	88,384	32,778	5,128	5,144	1,420	1,292	134,146
South Atlantic	105,074	44,107	6,337	6,335	145	2,000	163,998
South Central	116,532	42,718	6,446	4,369	5,787	2,015	177,867
Mountain	35,821	16,610	2,026	1,270	272	102	56,101
Pacific	120,091	40,681	6,504	4,249	1,321	3,454	176,300
UNITED STATES 2/	851,716	280,367	45,575	35,158	10,053	25,058	1,247,927

1/ Includes freezer-made milkshake.
2/ Includes Alaska and Hawaii

Prepared by International Association of Ice Cream Manufacturers from data released by U. S. Department of Agriculture.

PER CAPITA PRODUCTION (HARD AND SOFT)
ICE CREAM AND RELATED PRODUCTS
BY REGIONS, 1960-1982

Product & Year	New England	Mid Atlantic	E. N. Central	W. N. Central	South Atlantic	South Central	Mountain	Pacific	United States
				(Quarts)					
ICE CREAM									
1960	18.44	19.71	17.94	17.11	13.23	9.52	13.21	14.25	15.55
1965	20.06	18.74	18.19	18.00	13.40	9.57	12.88	14.89	15.65
1970	20.82	17.96	16.86	17.94	11.36	10.18	11.90	14.62	14.96
1975	24.72	16.27	17.40	19.23	12.33	11.71	10.96	15.77	15.53
1980	21.83	16.19	16.10	19.15	11.48	10.78	11.93	15.18	14.61
1981	21.09	16.35	15.08	19.64	11.38	11.20	11.96	15.40	14.52
1982	21.72	16.82	15.40	20.39	11.00	11.67	11.97	15.19	14.71
ICE MILK									
1960	1.50	0.86	2.61	5.42	3.97	3.61	4.92	5.48	3.23
1965	2.10	2.01	4.50	6.59	6.52	5.54	5.47	6.21	4.77
1970	3.65	3.32	5.89	8.24	6.66	5.50	6.56	6.55	5.63
1975	5.34	3.40	6.49	7.70	5.86	5.14	5.18	5.95	5.55
1980	4.72	3.11	6.14	7.34	5.49	4.39	6.23	5.48	5.17
1981	5.10	2.89	6.15	7.24	5.30	4.36	5.81	5.37	5.08
1982	3.79	2.89	6.08	7.56	4.62	4.28	5.55	5.15	4.85
TOTAL FROZEN PRODUCTS 1/									
1960	21.76	22.34	22.91	24.98	18.97	18.19	20.01	23.96	21.54
1965	24.38	22.64	24.81	27.11	21.78	20.66	20.56	26.08	23.36
1970	26.55	23.06	25.06	28.46	19.48	20.48	20.06	25.64	23.43
1975	31.59	21.19	25.92	28.38	19.95	20.35	17.26	24.56	23.45
1980	28.41	20.83	24.13	29.24	18.53	17.38	19.29	22.44	21.58
1981	27.92	20.91	23.90	29.65	18.18	17.62	19.01	22.84	21.61
1982	27.27	21.32	24.28	30.94	17.17	17.82	18.75	22.31	21.56

1/ Includes ice cream, ice milk, sherbet, mellorine type products, water ices and other frozen dairy products.

Prepared by the International Association of Ice Cream Manufacturers from production data released by the U. S. Department of Agriculture and population estimates from Bureau of the Census, U. S. Department of Commerce.

NUMBER OF PLANTS PRODUCING ICE CREAM AND RELATED PRODUCTS
1960-1982

Year	Ice Cream Including Counter Freezers	Ice Cream Excluding Counter Freezers	Ice Milk	Sherbet	Water Ices	Mellorine Type Products
1960	16,591	-	23,843	5,067	2,376	1,242
1961	15,872	-	27,607	4,636	2,398	1,221
1962	14,541	-	30,919	3,764	2,353	1,364
1963	13,915	2,476	33,229	3,625	2,650	1,253
1964	13,106	-	34,485	3,395	2,691	1,313
1965	12,584	-	35,181	3,452	2,852	1,280
1966	12,063	-	36,158	3,580	2,682	1,308
1967	11,452	-	37,312	3,191	2,773	1,363
1968	11,228	1,873	39,474	3,108	2,854	1,792
1969	1/	1,739	1,160 2/	1,176 2/	1/	199 2/
1970		1,628	1,088	1,122 2/	377	203
1971		1,520	1,008	1,065	335	177
1972		1,451	984	1,022	363	180
1973		1,330	902	976	321	154
1974		1,239	824	904	299	146
1975		1,167	746	850	281	124
1976		1,124	718	812	281	119
1977		1,095	702	782	273	110
1978		1,062	670	744	263	101
1979		990	604	690	234	89
1980		949	576	654	220	76
1981		895	548	614	212	74
1982		884	524	608	212	67

1/ Not available.
2/ After 1968, number of plants producing hard product. Number of counter freezers not available.

Prepared by the International Association of Ice Cream Manufacturers from data published by the U. S. Department of Agriculture.

HARD FROZEN PRODUCTION - TOTAL AND PER CAPITA
ICE CREAM AND RELATED PRODUCTS
1955-1982 1/

YEAR	TOTAL FOUR PRODUCTS 2/		ICE CREAM		ICE MILK		SHERBET		MELLORINE TYPE PRODUCTS	
	Total 1,000 Gallons	Per Capita Quarts	Total 1,000 Gallons	Per Capita Quarts	Total 1,000 Gallons	Per Capita Quarts	Total 1,000 Gallons	Per Capita Quarts	Total 1,000 Gallons	Per Capita Quarts
1955	729,578	17.75	612,812	14.92	52,217	1.27	34,675	0.84	29,874	0.72
1960	838,990	18.65	678,383	15.08	80,073	1.78	37,931	0.84	42,603	0.95
1965	962,267	19.89	741,024	15.32	126,146	2.60	44,954	0.93	50,143	1.04
1970	959,399	18.85	736,741	14.47	134,240	2.64	47,643	0.94	40,775	0.80
1975	989,823	18.38	803,494	14.92	116,609	2.17	45,996	0.85	23,724	0.44
1980	939,132	16.53	801,876	14.12	83,584	1.47	43,745	0.77	9,927	0.17
1981	932,929	16.27	804,747	14.04	75,055	1.31	44,284	0.77	8,843	0.15
1982	946,478	16.35	823,224	14.22	71,149	1.23	44,160	0.76	7,945	0.14

1/ Breakdown between hard frozen and soft serve production not available prior to 1955
2/ Includes ice cream, ice milk, sherbet and mellorine type products.

Prepared by the International Association of Ice Cream Manufacturers from data released by the U. S. Department of Agriculture.

HARD FROZEN PRODUCTION OF ICE CREAM AND RELATED PRODUCTS
BY REGIONS - 1982

REGION	ICE CREAM	ICE MILK	SHERBET	MELLORINE TYPE PRODUCTS	TOTAL FOUR PRODUCTS 1/
			(Thousand Gallons)		
New England	65,570	3,739	3,131		72,440
Mid Atlantic	135,940	6,867	6,489		149,296
E. N. Central	157,065	10,367	8,350	96	175,878
W. N. Central	83,209	10,194	4,832	935	99,170
South Atlantic	102,900	13,097	6,249		122,246
South Central	115,772	10,852	6,406	5,239	138,269
Mountain	35,698	3,883	2,000	200	41,781
Pacific	119,936	12,929	6,482	1,321	140,668
UNITED STATES 2/	823,224	71,149	44,160	7,945	946,478

1/ Includes ice cream, ice milk, sherbet and mellorine type products
2/ Includes Alaska and Hawaii.

Prepared by the International Association of Ice Cream Manufacturers from data released by U. S. Department of Agriculture.

POTPOURRI

- Ice cream is consumed by over 98% of households - with 84% purchasing ice cream at least once a month.
- The purchase of quarts is higher in medium size cities.
- The purchase of pints is particularly high in very large cities.
- Over one-third of American households are considered heavy users of ice cream, consuming at least one gallon every two weeks.
- Eating of ice cream is higher on the weekends.
- A half a cup of vanilla ice cream (10% fat) contains only 130 calories...a high fat vanilla ice cream (16% fat) 150 calories... vanilla ice milk (4% fat) 90 calories...orange sherbet 90 calories.
- The basic ice cream ingredients are - fresh milk, cream, sugar, eggs and natural flavorings.
- Nine percent of the total milk produced is used for ice cream products.
- It takes an average worker 14.8 minutes of labor to purchase a half gallon of ice cream - down from 15.1 minutes in 1981.
- Eighteen percent of consumers visit an ice cream parlor at least weekly.
- Main meals and snacks are equally important in the eating of ice cream.
- Sales at ice cream and frozen custard stands amounted to $1.42 billion, up 10% over 1980.

Did you know . . .

- The American ice cream industry produced enough ice cream and related products (53 billion scoops) to serve every person on this planet, 12 cones each.
- The total production of ice cream and related products in the U. S. if packaged in half gallon containers and formed in a line, would encircle the earth at the equator, eleven times.

DIFFERENTIATION BY ICE CREAM QUALITY

There are no fixed standards or single definition to determine the quality of ice cream. The preference of consumers vary and the degree of quality will ultimately be the consumer's perception of the product. Milkfat, total solids, overrun, flavoring, promotion and packaging are all factors influencing consumers' preferences. In a study by IAICM, ice cream manufacturers were requested to position their products into four categories. Under this procedure, the following profile evolved:

	% of Market
Super Premium	11%
Premium	24
Regular	52
Economy	13
	100%

AD SPENDING - SWEET PRODUCTS

Although the expenditure for advertising by the ice cream industry has been very limited, it is now increasing rapidly.

	1972	1980	1981	1982
		(Million Dollars)		
Candy and Gum	$ 70	$222	$238	$264
Carbonated Soft Drinks	91	253	238	258
Desserts, Ingredients	29	81	89	99
Noncarbonated Soft Drinks	7	70	80	55
Cakes, Pies, Pastries	12	25	22	31
Ice Cream, Sherbet	5	5	5	13
Total	$214	$660	$676	$720

Source: Leading National Advertisers (LNA)

FOODSERVICE

In 1981 consumers allocated 36.2% of their food dollar to meals prepared outside the home, up slightly from the 36.0% spent in 1980. Foodservice sales totaled $125.1 billion, up 9.1% over the previous year. Eating establishments accounted for 60% of these sales, and totaled $74.7 billion, an increase of 10.3%. Ice cream and frozen custard stand sales amounted to $1.42 billion, an increase of 10.1%.

Eating Places	No. of Units	1980	1981	% Change
		(Million Dollars)		
Restaurants, Lunchrooms	122,068	$36,037,601	$39,324,429	+ 9.1
Limited Menu Restaurants (including Fast Foods)	103,202	27,434,837	30,809,321	+12.3
Commercial Cafeterias	6,787	2,163,965	2,315,442	+ 7.0
Social Caterers	3,320	775,944	806,206	+ 3.9
Ice Cream, Frozen Custard Stands	8,968	1,289,479	1,419,716	+10.1
TOTAL EATING PLACES	244,345	$67,701,826	$74,675,114	+10.3

Source: National Restaurant Association

PERCENTAGE OF HOUSEHOLDS USING SELECTED
SUPERMARKET PRODUCTS, 1982, DURING 30-DAY PERIOD

Dairy Products & Other Snacks & Desserts	Percent Using
	%
Ice Cream, Ice Milk, Sherbet	84.4
Fresh Milk	89.5
Margarine	88.4
Gelatin Desserts, Flavored	78.6
Potato Chips	77.2
American Pasteurized Processed Cheese	76.2
Cookies	76.0
Toppings, Whipped	68.7
Natural Cheese, other than American	67.9
Cola Carbonated Drinks, not Diet	66.8
Cottage Cheese	66.4
Candy Bars	65.1
Butter	57.8
Puddings, Instant, Powdered	55.3
Snack Cakes	50.5
Evaporated Milk	49.1
Pretzels	46.7
Pies, Cakes, Pastries, Frozen	45.5
Cream Substitutes	32.4
Cheese Spreads	30.6
Dry Milk	27.8
Fresh Yogurt	27.8
Donuts, Frozen	21.9
American Cheese, Diet or Low Calorie	17.3
Milkshakes and Milkshake Mixes	14.5
Frozen Yogurt	11.2
Yogurt Drinks	3.2

Source: Progressive Grocer, 1983 Guide to Product Usage

ESTIMATED WHOLESALE VALUE OF ICE CREAM PRODUCTS
1981-1982 1/

Product	1981	1982
	(Dollars)	
Ice Cream	$2,575,000,000	$2,660,000,000
Ice Milk	714,000,000	695,000,000
Sherbet	123,000,000	124,000,000
Water Ices	33,000,000	34,000,000

1/ Estimated by the International Association of Ice Cream Manufacturers.

FLAVORS 1/

ICE CREAM - 10 TOP FLAVORS
(Hard Frozen)

1.	Vanilla	35.1%
2.	Chocolate	12.4
3.	Neapolitan	7.4
4.	Chocolate Chip	5.9
5.	Strawberry	5.6
6.	Vanilla Fudge	4.2
7.	Butter Pecan	2.7
8.	Cherry	2.5
9.	Butter Almond	1.6
10.	French Vanilla	1.4
	Others	21.2
		100.0%

ICE MILK - 5 TOP FLAVORS
(Hard Frozen)

1.	Vanilla	49.2%
2.	Chocolate	11.0
3.	Vanilla Fudge	7.2
4.	Neapolitan	6.1
5.	Strawberry	4.0
	Others	22.5
		100.0%

SHERBET - 5 TOP FLAVORS
(Hard Frozen)

1.	Orange	32.6%
2.	Rainbow	22.0
3.	Lime	13.4
4.	Raspberry	11.5
5.	Pineapple	10.7
	Others	9.8
		100.0%

1/ Additional information available in "Frozen Dessert Facts" published by International Association of Ice Cream Manufacturers, based on 1978 production.

PER CAPITA PRODUCTION OF HARD FROZEN PRODUCTS
ICE CREAM AND RELATED PRODUCTS
BY REGIONS - 1960-1982

Product & Year	New England	Mid Atlantic	E. N. Central	W. N. Central	South Atlantic	South Central	Mountain	Pacific	United States
				(Quarts)					
ICE CREAM									
1960	18.04	17.97	17.65	17.08	12.94	9.47	13.16	14.22	15.08
1965	19.95	17.45	17.97	17.96	13.27	9.50	12.83	14.87	15.32
1970	19.81	16.43	16.63	17.82	11.17	9.96	11.81	14.41	14.47
1975	24.45	14.52	16.86	17.94	12.08	11.48	10.92	15.69	14.92
1980	21.03	14.42	15.77	19.04	11.20	10.57	11.82	15.14	14.12
1981	20.32	14.52	14.91	19.48	11.06	11.00	11.89	15.30	14.04
1982	21.00	14.71	15.11	20.29	10.77	11.60	11.93	15.17	14.22
ICE MILK									
1960	0.50	0.33	0.97	2.72	2.81	2.25	2.15	3.50	1.78
1965	0.66	0.96	1.88	3.26	4.73	3.75	2.20	2.89	2.60
1970	0.99	1.51	2.24	3.95	4.16	3.35	1.96	2.39	2.64
1975	2.34	1.46	1.89	3.13	2.58	2.59	1.74	1.91	2.17
1980	1.33	0.94	1.15	2.29	1.82	1.38	1.56	1.85	1.47
1981	1.21	0.79	1.04	2.36	1.52	1.16	1.43	1.66	1.31
1982	1.20	0.74	1.00	2.13	1.37	1.09	1.29	1.64	1.23
SHERBET									
1960	0.95	0.58	0.97	0.79	0.79	0.76	0.90	1.21	0.84
1965	1.20	0.72	1.02	0.83	0.88	0.89	0.89	1.18	0.93
1970	1.22	0.69	1.07	0.90	0.65	0.87	0.89	1.17	0.94
1975	1.04	0.61	0.97	0.99	0.79	0.79	0.70	1.05	0.85
1980	1.01	0.65	0.80	1.09	0.68	0.68	0.70	0.85	0.77
1981	0.98	0.70	0.80	1.14	0.67	0.66	0.66	0.84	0.77
1982	1.00	0.70	0.80	1.10	0.65	0.64	0.67	0.82	0.76
MELLORINE									
1960	-	-	0.31	1.01	0.03	3.24	0.36	2.25	0.95
1965	-	-	0.20	0.78	0.02	3.49	0.74	2.85	1.04
1970	-	-	0.16	0.41	-	2.51	0.43	2.22	0.80
1975	-	-	0.05	0.15	-	1.47	0.22	1.06	0.44
1980	-	-	0.01	0.29	-	0.58	0.10	0.32	0.17
1981	-	-	0.01	0.22	-	0.55	0.08	0.25	0.15
1982	-	-	0.01	0.20	-	0.52	0.07	0.17	0.14

Prepared by the International Association of Ice Cream Manufacturers from data released by the U. S. Department of Agriculture and population estimates from Bureau of the Census, U. S. Department of Commerce.

PERCENTAGE OF HARD FROZEN PRODUCTION SOLD AS
ICE CREAM, ICE MILK, SHERBET AND MELLORINE
BY REGIONS - 1960-1982

Product & Year	New England	Mid Atlantic	E. N. Central	W. N. Central	South Atlantic	South Central	Mountain	Pacific	United States
				(Percent)					
ICE CREAM									
1960	93	95	89	79	78	60	79	67	81
1965	92	91	85	79	70	54	77	68	77
1970	90	88	83	77	70	60	78	71	77
1975	88	87	85	81	78	70	80	80	81
1980	90	90	89	84	82	80	83	83	85
1981	90	91	89	84	84	82	84	85	86
1982	91	91	89	85	84	83	85	85	87
ICE MILK									
1960	2	2	5	12	17	14	13	16	10
1965	3	5	9	14	25	21	13	13	13
1970	4	8	11	17	26	20	13	12	14
1975	8	9	10	14	17	16	13	10	12
1980	6	6	6	10	13	10	11	10	9
1981	6	5	6	10	11	9	10	9	8
1982	5	5	6	9	11	8	9	9	7
SHERBET									
1960	5	3	5	4	5	5	6	6	4
1965	5	4	5	4	5	5	5	6	5
1970	6	4	5	4	4	5	6	6	5
1975	4	4	5	4	5	5	5	5	5
1980	4	4	5	5	5	5	5	5	5
1981	4	4	5	5	5	5	5	5	5
1982	4	4	5	5	5	5	5	5	5
MELLORINE									
1960	-	-	1	5	-	21	2	11	5
1965	-	-	1	3	-	20	5	13	5
1970	-	-	1	2	-	15	3	11	4
1975	-	-	*	1	-	9	2	5	3
1980	-	-	-	1	-	5	1	2	1
1981	-	-	-	1	-	4	1	1	1
1982	-	-	-	1	-	4	1	1	1

Prepared by International Association of Ice Cream Manufacturers from data released by the U. S. Department of Agriculture.

SOFT SERVE PRODUCTION - TOTAL AND PER CAPITA
ICE CREAM AND RELATED PRODUCTS
1955-1982 1/

YEAR	TOTAL FOUR PRODUCTS 2/		ICE CREAM		ICE MILK		SHERBET		MELLORINE TYPE PRODUCTS	
	Total 1,000 Gallons	Per Capita Quarts	Total 1,000 Gallons	Per Capita Quarts	Total 1,000 Gallons	Per Capita Quarts	Total 1,000 Gallons	Per Capita Quarts	Total 1,000 Gallons	Per Capita Quarts
1955	58,758	1.44	15,713	0.38	37,968	0.93	2,690	0.07	2,387	0.06
1960	91,740	2.04	21,222	0.47	65,104	1.45	2,803	0.06	2,611	0.06
1965	124,343	2.57	15,976	0.33	104,846	2.17	495	0.01	3,026	0.06
1970	189,761	3.72	24,991	0.49	152,423	2.99	1,244	0.02	11,103	0.22
1975	224,098	4.16	33,058	0.61	182,180	3.38	2,546	0.05	6,314	0.12
1980	242,427	4.28	27,922	0.49	209,800	3.70	1,442	0.03	3,263	0.06
1981	247,436	4.32	27,703	0.48	215,937	3.77	1,448	0.03	2,348	0.04
1982	241,233	4.17	28,492	0.49	209,218	3.62	1,415	0.03	2,108	0.03

1/ Breakdown between hard frozen and soft serve production not available prior to 1955.
2/ Includes ice cream, ice milk, sherbet and mellorine type products.

Prepared by the International Association of Ice Cream Manufacturers from data released by the U. S. Department of Agriculture.

SOFT SERVE PRODUCTION OF ICE CREAM AND RELATED PRODUCTS
BY REGIONS - 1982

REGION	ICE CREAM	ICE MILK	SHERBET	MELLORINE TYPE PRODUCTS	TOTAL FOUR PRODUCTS 1/
			(Thousand Gallons)		
New England	2,253	8,088	193		10,534
Mid Atlantic	19,547	19,873	223		39,643
E. N. Central	3,050	52,805	488	766	57,109
W. N. Central	430	23,561	335	577	24,903
South Atlantic	2,174	31,010	88	145	33,417
South Central	760	31,866	40	548	33,214
Mountain	123	12,727	26	72	12,948
Pacific	155	27,752	22	-	27,929
UNITED STATES 2/	28,492	209,218	1,415	2,108	241,233

1/ Includes ice cream, ice milk, sherbet and mellorine type products.
2/ Includes Alaska and Hawaii

Prepared by the International Association of Ice Cream Manufacturers from data released by U. S. Department of Agriculture.

PER CAPITA AND PERCENT OF PRODUCTION OF SOFT SERVE PRODUCTS
ICE CREAM AND ICE MILK
BY REGIONS - 1960-1982

Product & Year	New England	Mid Atlantic	E. N. Central	W. N. Central	South Atlantic	South Central	Mountain	Pacific	United States
				(Quarts per Capita)					
ICE CREAM									
1960	0.40	1.74	0.29	0.03	0.29	0.05	0.05	0.03	0.47
1965	0.11	1.29	0.22	0.04	0.13	0.07	0.05	0.02	0.33
1970	1.01	1.53	0.23	0.12	0.19	0.22	0.09	0.21	0.49
1975	0.27	1.75	0.54	1.29	0.25	0.23	0.04	0.08	0.61
1980	0.80	1.77	0.33	0.11	0.28	0.21	0.11	0.04	0.49
1981	0.77	1.83	0.17	0.16	0.32	0.20	0.07	0.10	0.48
1982	0.72	2.11	0.29	0.10	0.23	0.07	0.04	0.02	0.49
ICE MILK									
1960	1.00	0.53	1.64	2.70	1.16	1.36	2.77	1.98	1.45
1965	1.44	1.05	2.62	3.33	1.79	1.79	3.27	3.32	2.17
1970	2.66	1.81	3.65	4.29	2.50	2.15	4.60	4.16	2.99
1975	3.00	1.94	4.60	4.57	3.28	2.55	3.44	4.04	3.38
1980	3.39	2.17	4.99	5.05	3.67	3.01	4.67	3.63	3.70
1981	3.89	2.10	5.11	4.88	3.78	3.20	4.38	3.71	3.77
1982	2.59	2.15	5.08	5.43	3.25	3.19	4.26	3.51	3.62
				(Percent)					
ICE CREAM									
1960	29	76	13	1	20	3	2	2	23
1965	7	55	8	1	7	3	2	1	13
1970	27	46	6	3	7	7	2	5	13
1975	8	47	10	21	7	7	1	2	15
1980	19	45	6	2	7	6	2	1	11
1981	16	46	3	3	8	6	2	3	11
1982	21	49	5	2	7	2	1	1	12
ICE MILK									
1960	71	23	75	99	80	77	98	98	71
1965	93	44	92	99	93	79	98	99	84
1970	72	54	86	92	93	67	98	94	80
1975	92	52	87	76	91	76	99	96	81
1980	81	55	91	94	91	90	97	99	87
1981	83	53	94	94	92	91	98	97	87
1982	77	50	92	95	93	96	98	99	87

Prepared by the International Association of Ice Cream Manufacturers from data released by the U. S. Department of Agriculture.

HIGHLIGHTS—CANADA

- Preliminary Report 1983 -

For the five-month period, January through May, ice cream production was down 2%, freezer-made milkshake decreased 5%, sherbet was up 11%, water ices increased 4%, while ice milk declined 14%. Volume of all products was down 2%.

1 9 8 2

The volume of ice cream produced for the year was 303 million liters, down 2.9%. Ontario produced 116 million liters and accounted for over one-third of the nation's output. Manitoba continues to report the highest per capita production of ice cream with 19.95 liters, followed by Alberta with 13.50 liters and Ontario, 13.28 liters.

Production of freezer-made milkshake dropped 2.4%. Ice milk had a minimal decrease of 0.6%, while sherbet, continuing its downward trend, dropped 14%. Water ices, meanwhile, showed a substantial increase of 9%.

Ice cream accounted for 84% of the total production, followed by freezer-made milkshake, 7.6%; ice milk, 3.7%; water ices, 4% and sherbet, 0.7%.

June was the largest producing month for ice cream with 12% of the total production, just slightly ahead of July, while January ranked as the lowest, with 5.3% of the total.

Production Changes - 1982

	Production 1982 1/ (Liters) 2/	% Change from 1981 %	Per Capita Production 1982 (Liters)	% Change from 1981 %
Ice Cream - Hard	284,434,000	- 2.73	11.90	- 3.95
Ice Cream - Soft	18,531,000	- 5.21	0.78	- 6.02
Total Ice Cream	302,965,000	- 2.89	12.68	- 4.08
Ice Milk	13,345,000	- 0.63	0.56	- 1.75
Freezer-made Milkshake 3/	27,413,000	- 2.42	1.15	- 3.36
Water Ices	14,249,000	+ 8.98	0.60	+ 7.67
Sherbet	2,486,000	-14.28	0.10	-15.31
TOTAL ALL PRODUCTS	360,458,000	- 2.44	15.09	- 3.58

1/ Excludes production in Newfoundland and Prince Edward Island.
2/ One U. S. quart equivalent to .946 liter.
3/ Freezer-made milkshake derived by applying 40% overrun to milkshake mix.

Prepared by the International Association of Ice Cream Manufacturers from data released by Statistics Canada.

HARD AND SOFT PRODUCTION OF ICE CREAM - CANADA
BY PROVINCES - 1980-1981-1982

Province	Year	Production			Percent	
		Hard	Soft	Total	Hard	Soft
		(Thousand Liters) 1/			%	
Alberta	1980	28,675	2,678	31,353	91	9
	1981	29,610	2,779	32,389	91	9
	1982	28,676	2,679	31,355	91	9
British Columbia	1980	34,103	4,481	38,584	88	12
	1981	34,197	4,792	38,989	88	12
	1982	30,941	4,193	35,134	88	12
Manitoba	1980	19,038	1,903	20,941	91	9
	1981	19,729	1,864	21,593	91	9
	1982	18,558	2,102	20,660	90	10
New Brunswick	1980	7,243	297	7,540	96	4
	1981	6,588	314	6,902	95	5
	1982	7,938	373	8,311	96	4
Nova Scotia	1980	10,927	872	11,799	93	7
	1981	9,651	809	10,460	92	8
	1982	9,890	912	10,802	92	8
Ontario	1980	110,025	1,958	111,983	98	2
	1981	115,480	2,049	117,529	98	2
	1982	113,709	2,050	115,759	98	2
Quebec	1980	75,951	2,976	78,927	96	4
	1981	68,649	5,617	74,266	92	8
	1982	66,319	4,791	71,110	93	7
Saskatchewan	1980	9,253	1,553	10,806	86	14
	1981	8,517	1,325	9,842	87	13
	1982	8,403	1,431	9,834	85	15
Canada 2/	1980	295,215	16,718	311,933	95	5
	1981	292,421	19,549	311,970	94	6
	1982	284,434	18,531	302,965	94	6

1/ One U. S. quart equivalent to .946 liter.
2/ Excludes production in Newfoundland and Prince Edward Island.

Prepared by the International Association of Ice Cream Manufacturers from data released by Statistics Canada.

INTERNATIONAL STATISTICS

This section includes data for 56 countries, including United States and Canada. In some countries production is reported only by the larger manufacturers and no estimates are available for the output by small establishments. In such instances, the computed production and per capita is incomplete, but the reported figures indicate trends.

Country and Product	ANNUAL PRODUCTION In Reported Units	ANNUAL PRODUCTION Converted to U.S. Gallons	PER CAPITA PRODUCTION In Reported Units	PER CAPITA PRODUCTION Converted to U. S. Pints
UNITED STATES - 1982				
Ice Cream		851,716,000		29.43
Ice Milk		280,367,000		9.69
Sherbet		45,575,000		1.57
Water Ices		35,158,000		1.21
Mellorine type Products		10,053,000		0.35
Other Frozen Dairy Products		25,058,000		0.87
Total		1,247,927,000		43.12
ARGENTINA - 1980	(Liters)		(Liters)	
Ice Cream	27,000,000	7,133,000	0.96	2.03
Ice Milk	4,500,000	1,189,000	0.16	0.34
Sherbet & Water Ices	4,500,000	1,189,000	0.16	0.34
Other (Napolitan)	9,000,000	2,378,000	0.32	0.68
Total	45,000,000	11,889,000	1.60	3.39
AUSTRALIA - 1982	(Liters)		(Liters)	
Ice Cream	201,256,000	53,172,000	13.41	28.31
Milk Ices 1/	36,420,000	9,622,000	2.43	5.12
Water Ices	15,225,000	4,022,000	1.01	2.14
Other Frozen Products	8,230,000	2,174,000	0.55	1.16
Total	261,131,000	68,990,000	17.40	36.73
AUSTRIA - 1981	(Liters)		(Liters)	
Ice Cream	35,000,000	9,247,000	4.66	9.84
Sherbet & Water Ices	11,000,000	2,906,000	1.46	3.08
Total	46,000,000	12,153,000	6.12	12.92
BANGLADESH - 1982	(Metric Tons)		(Kilograms)	
Ice Cream	500	245,000	0.01	0.02
Water Ices	7,000	2,572,500	0.07	0.29
Total	7,500	2,817,500	0.08	0.24
BELGIUM - 1982	(Liters)		(Liters)	
Ice Cream	52,289,000	13,814,800	5.29	11.17
BRAZIL - 1982	(Liters)		(Liters)	
Ice Cream	59,925,000	15,832,000	0.47	0.99
Ice Milk	20,571,000	5,435,000	0.16	0.34
Sherbet & Water Ices	8,940,000	2,362,000	0.07	0.15
Total	89,436,000	23,629,000	0.70	1.48
CANADA - 1982	(Liters)		(Liters)	
Ice Cream	302,965,000	80,043,000	12.68	26.77
Freezer-made Milkshake 2/	27,413,000	7,242,000	1.15	2.42
Ice Milk	13,345,000	3,526,000	0.56	1.18
Water Ices	14,249,000	3,765,000	0.60	1.26
Sherbet	2,486,000	657,000	0.10	0.22
Total	360,458,000	95,233,000	15.09	31.85
CHILE - 1982	(Liters)		(Liters)	
Ice Cream	19,500,000	5,152,000	1.72	3.64
COLOMBIA - 1982	(Metric Tons)		(Kilograms)	
Ice Cream	11,600	5,684,000	0.41	1.60

Country and Product	ANNUAL PRODUCTION In Reported Unit	Converted to U.S. Gallons	PER CAPITA PRODUCTION In Reported Units	Converted to U. S. Pints
COSTA RICA - 1981	(Liters)		(Liters)	
Ice Cream	8,072,000	2,132,600	3.53	7.46
Ice Milk	1,347,000	355,800	0.59	1.25
Sherbet & Water Ices	394,000	104,100	0.17	0.36
Total	9,813,000	2,592,500	4.29	9.07
DENMARK - 1982	(Liters)		(Liters)	
Ice Cream	40,317,000	10,652,000	7.87	16.61
Water Ices	2,808,000	742,000	0.55	1.16
Total	43,125,000	11,394,000	8.42	17.77
DOMINICAN REPUBLIC - 1978	(Kilograms)		(Kilograms)	
Ice Cream	3,758,190	1,841,400	0.73	2.86
ECUADOR - 1977	(Kilograms)		(Kilograms)	
Ice Cream	4,500,000	2,205,000	0.63	2.47
Ice Milk	1,500,000	735,000	0.21	0.82
Sherbet & Water Ices	2,000,000	735,000	0.28	0.82
Total	8,000,000	3,675,000	1.12	4.11
EGYPT - 1980	(Metric Tons)		(Kilograms)	
Ice Cream	15,000	7,350,000	0.36	1.41
Ice Milk	1,000	490,000	0.02	0.08
Sherbet & Water Ices	2,000	735,000	0.04	0.12
Total	18,000	8,575,000	0.42	1.61
EL SALVADOR - 1976	(Liters)		(Liters)	
Ice Cream	1,293,000	342,000	0.30	0.64
Ice Cream Sticks, etc.	6,255,000	1,653,000	1.47	3.10
Total	7,548,000	1,995,000	1.77	3.74
FRANCE - 1982	(Liters)		(Liters)	
Ice Cream Industrial	192,185,000	50,775,000	3.55	7.49
WEST GERMANY - 1982	(Liters)		(Liters)	
Ice Cream	295,600,000	78,098,000	4.80	10.13
Sherbet & Water Ices	28,400,000	7,503,000	0.46	0.97
Total Industrial Production	324,000,000	85,601,000	5.26	11.10
Small Establishments	83,000,000	21,929,000	1.35	2.84
Total	407,000,000	107,530,000	6.61	13.94
GREECE - 1982	(Metric Tons)		(Kilograms)	
Ice Cream - Industrial	30,000	14,700,000	3.07	12.07
Ice Cream - Confectionary	10,000	4,900,000	1.03	4.02
Total	40,000	19,600,000	4.10	16.09
GUATEMALA - 1975				
Ice Cream		1,368,000		1.85
Novelties & Sherbet		2,191,000		2.96
Total		3,559,000		4.81
HONG KONG - 1978				
Ice Cream		4,536,000		7.72
Sherbet		73,000		0.13
Water Ices		892,500		1.52
Total		5,501,500		9.37
INDIA - 1980	(Metric Tons)		(Kilograms)	
Ice Cream	232,000	113,680,000	0.34	1.33

Country and Product	ANNUAL PRODUCTION In Reported Units	ANNUAL PRODUCTION Converted to U.S. Gallons	PER CAPITA PRODUCTION In Reported Units	PER CAPITA PRODUCTION Converted to U. S. Pints
INDONESIA - 1980	(Liters)		(Liters)	
Ice Cream	34,881,386	9,215,662	0.24	0.51
IRAN - 1978	(Metric Tons)		(Kilograms)	
Ice Cream	10.615	5,201,000	0.28	1.09
IRELAND - 1982	(Liters)		(Liters)	
Ice Cream	26,000,000	6,869,000	7.73	16.31
ITALY - 1982	(Liters)		(Liters)	
Ice Cream	230,000,000	60,766,000	4.01	8.47
IVORY COAST - 1982	(Metric Tons)		(Kilograms)	
Ice Cream & Related Products	3,300	1,617,000	0.39	1.51
JAPAN - 1980	(Liters)		(Liters)	
Ice Cream	150,400,000	39,737,000	1.29	2.72
Ice Milk	63,300,000	16,724,000	0.54	1.14
Imitation Ice Cream	277,100,000	73,210,000	2.37	5.01
Sherbet & Water Ices	300,900,000	79,498,000	2.57	5.44
Total	791,700,000	209,169,000	6.77	14.31
KOREA - 1982	(Metric Tons)		(Kilograms)	
Ice Cream	27,338	13,396,000	0.67	2.61
LEBANON - 1978				
Dairy Ice Cream		350,000		1.05
Other Ice Cream		10,000		0.03
Water Ices		500,000		1.50
Arabic Ice Cream		200,000		0.60
Sherbet		300,000		0.90
Total		1,360,000		4.08
LIBERIA - 1978	(Liters)		(Liters)	
Ice Cream 4/	149,448	39,484	0.09	0.18
MALAYSIA - 1978	(Liters)		(Liters)	
Ice Cream	3,774,200	997,000	0.29	0.62
Bars, Popsicles	3,212,800	849,000	0.25	0.53
Total	6,987,000	1,846,000	0.54	1.15
MEXICO - 1982	(Liters)		(Liters)	
Ice Cream	129,000,000	34,081,000	1.75	3.69
Sherbet & Water Ices	18,000,000	4,756,000	0.24	0.52
Total	147,000,000	38,837,000	1.99	4.21
MOROCCO - 1978	(Liters)		(Liters)	
Ice Cream & Related Products	5,000,000	1,321,000	0.27	0.58
NETHERLANDS - 1981	(Liters)		(Liters)	
Ice Cream	13,372,300	3,533,000	0.94	1.98
Water Ices	5,726,700	1,513,000	0.40	0.85
Others	19,089,000	5,043,000	1.34	2.83
Total	38,188,000	10,089,000	2.68	5.66
NEW ZEALAND - 1982	(Liters)		(Liters)	
Ice Cream	51,298,000	13,553,000	16.22	34.25
NIGERIA - 1980	(Liters)		(Liters)	
Ice Cream	2,200,000	581,000	0.03	0.07

Country and Product	ANNUAL PRODUCTION In Reported Units	ANNUAL PRODUCTION Converted to U.S. Gallons	PER CAPITA PRODUCTION In Reported Units	PER CAPITA PRODUCTION Converted to U. S. Pints
NORWAY - 1982	(Liters)		(Liters)	
Ice Cream	34,851,000	9,207,000	8.71	18.39
Soft Ice Cream	1,966,000	519,000	0.49	1.04
Sherbet	1,820,000	481,000	0.45	0.95
Total	38,637,000	10,207,000	9.65	20.38
PAKISTAN - 1982	(Metric Tons)		(Kilograms)	
Ice Cream	23,000	11,270,000	0.27	1.06
Ice Milk	8,300	4,067,000	0.10	0.38
Sherbet	9,100	3,344,000	0.11	0.31
Total	40,400	18,681,000	0.48	1.75
PERU - 1980	(Metric Tons)		(Kilograms)	
Ice Cream & Sherbet	4,098	2,008,000	0.22	0.86
PHILIPPINES - 1975				
Ice Cream 3/		3,940,000		0.74
POLAND - 1982	(Metric Tons)		(Kilograms)	
Ice Cream	30,000	14,700,000	0.83	3.25
PORTUGAL - 1981	(Metric Tons)		(Kilograms)	
Ice Cream	4,990	2,445,000	0.53	2.07
SINGAPORE - 1982	(Liters)		(Liters)	
Ice Cream	8,000,000	2,113,600	3.24	6.84
SOUTH AFRICA - 1980	(Liters)		(Liters)	
Ice Cream	16,500,000	4,359,000	0.57	1.20
Ice Milk	2,200,000	581,000	0.08	0.16
Sherbet	35,400,000	9,353,000	1.22	2.59
Others	10,100,000	2,668,000	0.35	0.74
Total	64,200,000	16,961,000	2.22	4.69
SPAIN - 1981	(Liters)		(Liters)	
Ice Cream	195,450,000	51,638,000	5.15	10.89
SWEDEN - 1981	(Liters)		(Liters)	
Ice Cream	92,600,000	24,465,000	11.10	23.44
Water Ices	5,280,000	1,395,000	0.63	1.33
Ice Cream Mixes 6/	7,380,000	1,950,000	0.89	1.88
Total	105,260,000	27,810,000	12.62	26.65
SWITZERLAND - 1982	(Liters)		(Liters)	
Ice Cream & Related Products	52,523,000	13,876,600	8.17	17.26
TAIWAN - 1982				
Ice Cream		6,644,579		2.88
Ice Cream Stick & Novelties		2,939,853		1.27
Total		9,584,432		4.15
TUNISIA - 1978	(Kilograms)		(Kilograms)	
Ice Cream	300,446	147,000	0.04	0.17
TURKEY - 1982	(Liters)		(Liters)	
Ice Cream & Related Products	41,800,000	11,044,000	0.87	1.83

INTERNATIONAL STATISTICS

Country and Product	ANNUAL PRODUCTION In Reported Units	ANNUAL PRODUCTION Converted to U.S. Gallons	PER CAPITA PRODUCTION In Reported Units	PER CAPITA PRODUCTION Converted to U. S. Pints
UNITED KINGDOM - 1982	(Liters)		(Liters)	
Bulk	106,863,000	28,233,000	1.91	4.02
Soft Ice Cream Mix	8,960,000	2,367,000	0.16	0.34
Home Packs	94,509,000	24,969,000	1.68	3.56
Water Ices	14,933,000	3,945,000	0.27	0.56
Other Stick Confections	9,540,000	2,521,000	0.17	0.36
All Others	45,030,000	11,897,000	0.80	1.69
Total	279,835,000	73,932,000	4.99	10.53
URUGUAY - 1982	(Kilograms)		(Kilograms)	
Ice Cream	2,652,000	1,299,500	0.92	3.61
USSR - 1982	(Metric Tons)		(Kilograms)	
Ice Cream	158,500	77,665,000	0.59	2.30
VENEZUELA - 1981	(Liters)		(Liters)	
Ice Cream	9,909,000	2,618,000	0.65	1.37
Ice Milk	24,419,000	6,451,500	1.60	3.38
Sherbet & Water Ices	8,526,000	2,252,500	0.56	1.18
Total	42,854,000	11.322,000	2.81	5.93
YUGOSLAVIA - 1982	(Metric Tons)		(Kilograms)	
Ice Cream Industrial	14,550	7,129,500	0.64	2.51
Small Establishments	5,300	2,597,000	0.23	0.92
Total	19,850	9,726,500	0.87	3.43

1/ Includes aerated milk-based confections and milk-based mixes for soft serves and thick shakes.
2/ Freezer-made milkshake derived by applying 40% overrun to milkshake mix.
3/ Does not include production by small establishments.
4/ Includes imported ice cream and sherbet.
5/ Production by establishments processing over one million liters of milk per year.
6/ Converted into ready-made soft ice cream.

CONVERSION FACTORS:

1 Liter = .2642 U. S. Gallons
= 2.1114 U. S. Pints

1 U. S. Gallon of Ice Cream or Ice Milk = 4.5 pounds
1 U. S. Gallon of Sherbet or Water Ices = 6.0 pounds

1 Kilogram = 2.205 pounds
= .4900 U. S. Gallons of Ice Cream or Ice Milk
= .3675 U. S. Gallons of Sherbet or Water Ices
= 3.920 U. S. Pints of Ice Cream or Ice Milk
= 2.940 U. S. Pints of Sherbet or Water Ices

1 Metric Ton (1,000 Kilograms) = 2,205 pounds
= 490.0 U. S. Gallons of Ice Cream or Ice Milk
= 367.5 U. S. Gallons of Sherbet or Water Ices

Prepared by the International Association of Ice Cream Manufacturers from data supplied by Agricultural Attaches of the U. S. Department of Agriculture, or from government or trade statistics.

PRODUCTION OF ICE CREAM AND RELATED PRODUCTS - CANADA
1971-1982 1/

Year	Total	Ice Cream Hard	Soft	Freezer-made Milkshake 2/	Ice Milk	Sherbet	Water Ices
				(Thousand Liters) 3/			
1971	272,439	254,591	17,848	10,826	7,901	3,519	12,847
1972	276,917	258,851	18,066	9,369	13,674	3,701	13,588
1973	275,175	256,954	18,221	10,304	13,879	3,914	15,402
1974	277,744	259,164	18,580	12,003	11,429	3,841	11,583
1975	287,232	266,515	20,717	11,820	12,675	3,337	12,602
1976	279,571	258,850	20,721	13,219	14,084	3,578	11,665
1977	291,173	269,637	21,536	15,364	15,219	3,122	11,398
1978	287,615	266,150	21,465	14,718	15,158	3,528	11,786
1979	307,669	289,748	17,921	24,112	12,130	3,664	12,744
1980	311,933	295,215	16,718	26,803	12,446	3,170	12,924
1981	311,970	292,421	19,549	28,094	13,429	2,900	13,074
1982	302,965	284,434	18,531	27,413	13,345	2,486	14,249

1/ Excludes production in Newfoundland and Prince Edward Island
2/ Freezer-made milkshake derived by applying 40% overrun in milkshake mix.
3/ One U. S. quart equivalent to .946 liter.

Prepared by the International Association of Ice Cream Manufacturers from data released by Statistics Canada.

MONTHLY PRODUCTION OF ICE CREAM AND RELATED PRODUCTS - CANADA

1982 1/

Month	Total Ice Cream	Ice Cream Hard	Soft	Freezer-made Milkshake 2/	Ice Milk	Sherbet	Water Ices
				(Thousand Liters) 3/			
January	16,068	15,567	501	1,360	377	201	313
February	17,954	17,395	559	1,586	691	149	639
March	25,873	24,968	905	2,279	1,102	260	1,465
April	26,752	25,085	1,667	2,061	1,372	237	1,377
May	30,847	28,323	2,524	2,724	1,657	302	2,131
June	36,249	32,924	3,325	2,972	2,030	331	3,130
July	36,070	32,732	3,338	3,417	1,942	247	2,431
August	30,224	27,914	2,310	3,188	1,642	192	1,600
September	23,067	21,474	1,593	2,545	958	241	424
October	18,503	17,692	811	1,778	654	75	266
November	22,100	21,553	547	1,679	535	160	312
December	19,258	18,807	451	1,824	385	91	161
YEAR	302,965	284,434	18,531	27,413	13,345	2,486	14,249

1/ Excludes production in Newfoundland and Prince Edward Island.

2/ Freezer-made milkshake derived by applying 40% overrun to milkshake mix.

3/ One U. S. quart equivalent to .946 liter.

Prepared by the International Association of Ice Cream Manufacturers from data released by Statistics Canada.

PER CAPITA PRODUCTION OF ICE CREAM - CANADA
BY PROVINCES - 1970-1982

Province	1970	1975	1979	1980	1981	1982
			(Liters) 1/			
Alberta	16.06	17.12	16.20	14.59	14.42	13.50
British Columbia	13.26	13.71	14.50	14.44	14.18	12.58
Manitoba	15.41	18.65	19.04	20.43	21.03	19.95
New Brunswick	13.54	14.01	11.86	10.83	9.90	11.87
Nova Scotia	14.97	15.60	14.15	13.96	12.35	12.66
Ontario	12.80	11.22	12.53	13.06	13.62	13.27
Quebec	12.17	12.46	12.45	12.35	11.53	10.96
Saskatchewan	12.44	12.69	12.04	11.26	10.16	10.02
CANADA 2/	13.13	13.06	13.36	13.38	13.22	12.68

1/ One U. S. quart equivalent to .946 liter.

2/ Excludes production and population for Newfoundland and Prince Edward Island

Prepared by the International Association of Ice Cream Manufacturers from data released by Statistics Canada.